

Memo

To: Reception/Event Conditional Use Permit holders
From: Jennifer Anderson, Code Compliance Officer
Date: May 6, 2015
Re: Noise measurements

Dear Property Owner,

Staff has prepared a set of guidelines for your use regarding taking noise measurements, which is required per your Conditional Use and/or Development Permits approvals.

The Land Development Regulations (LDRs) specify the following noise measurement and Reception/Event requirements:

6.4.3. Noise.

C. Measurement. *Noise shall be measured with a sound level meter meeting the standards of the American National Standards Institute (ANSI S1.4-1961) "American Standard Specification for General Purpose Sound Level Meters." The instrument shall be set to the A-weighted response scale and the meter to the slow response. Measurements shall be conducted in accord with ANSI S1.2-1962 "American Standard Method for the Physical Measurement of Sound" (or most current standards). Measurements may be made at any point along a zone boundary or site boundary line.*

6.1.11.K. Reception/Events

n. Annual Review. *An annual report shall be submitted to the Planning Director by January 31st. This report shall at a minimum include the number of events that took place and noise decibel readings at the property boundary closest to the nearest residential development during each event. The report may also include transportation, parking monitoring, and any additional information as required by the Board. For the first three years, the report shall be reviewed at a public hearing with the Board of County Commissioners, following the mailing of neighbor notice letters to all property owners within 1,300 feet. After the third year, the Board may allow the report to be reviewed administratively by the Planning Director. If new issues of negative impacts to neighbors arise due to unanticipated consequences associated with this use, or if the standards or conditions of the Conditional Use Permit have not been met, the annual review shall be brought before the Board where mitigation measures and/or additional conditions may be required in association with the Conditional Use Permit. The Conditional Use Permit may be subject to revocation proceedings for failure to comply with the conditions of approval.*

Staff recommends the following for taking noise readings:

- Applicants shall use the described equipment above and to the A-weighted scale and slow response as recommended by most manufacturers. Equipment shall also be calibrated as

recommended by manufacturer. (A-weighting is used for most environmental uses. Slow response makes a measurement closer to the actual sound level at any time.)

- The measurement site shall be indicated during the development plan review process. In general, the measurement shall be taken at the site boundary line bordering the closest residences. Should a natural feature (i.e. river, mountain) make this impossible, an appropriate location shall be indicated by either the Board during the review process, or the Planning Director. The measurement shall be taken on flat landscaped or undisturbed ground. The measurement should not be taken on pavement or gravel as that may skew readings. If the proposed measurement location is near a roadway or highway, a better location may be specified due to traffic noise.
- The person taking the reading shall hold the meter with extended arm toward the event with the meter facing at 90-degrees to the direction of the sound (microphone pointing directly at source) or use a free-standing tripod with the person standing behind. Meter height should be approximately 4 feet off of the ground.
- Staff recommends using a meter with a windscreen.
- Noise readings shall be taken periodically throughout the event. If amplified music or microphones are used, the readings shall be taken during actual use of the amplifiers.
- Written records shall be taken with each reading with the following information:

NOISE MEASUREMENT REPORT	
Approved Reception/Event Site:	
Development Permit #'s:	
Event date:	
Location of noise reading (may be appropriate to attach map):	
Instrument specifications (type, weighting A or C, response F or S):	
Weather conditions (including excessive wind, precipitation, etc.):	
Ambient conditions (excessive highway traffic, other events, etc.):	
Decibel level:	
Music type (band, DJ, amplified, etc.):	
Notes:	

Printed Name: _____ Signed Name: _____.

**Please note, there may be other specific requirements for taking noise readings per your development permit.*